MUSICAL FIDELITY

A308 Integrated Amplifier

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OVERVIEW

With at least 150 watts per channel, huge current reserves and extremely low distortion over a very wide bandwidth and impedance range, the A308 dual mono integrated amplifier represents an extraordinarily high standard of performance.

It used Musical Fidelity's latest circuit development, which takes technical performance to new heights. Typically, the HF distortion is one-tenth that of its competitors. This can be attributed to our exclusive new circuit, in which the output stage has its own, completely separate power supply. This prevents the driver circuit being affected in any way by the current and voltage swings required to drive the loudspeakers. Our new circuit has also enabled us to reach new heights of refinement in printed circuit board layout. Together, these developments result in greatly improved performance with even less feedback.

The unit also has a phono (mc/mm) and a home theatre direct facility. This facility gives direct access to the fixed sensitivity of the power amp stage, allowing the A308 integrated to function as the heart of any home theatre or multi-channel system, as well as being a super-quality audiophile stereo unit.

The A308 integrated sounds seamless and integrated, with no harshness, grain or edginess. The first thing you'll notice is its incredible top end smoothness and sweetness, notwithstanding that technically the high frequencies are very extended and linear. The bottom end is really quick, fast and deep, and imaging is three-dimensional and tactile.

Talking about his first experience of the A308 dual mono integrated, one reviewer said that it sounded more like a tube amp than a tube amp.

FEATURES & BENEFITS

Dual mono.	Better transient response and imaging. Also greater depth of field.

New, highly sophisticated circuit.	Incredibly low distortion over a wide bandwidth with amazing consistency
Phono stage.	High quality phono stage mm/mc with very accurate RIAA and low noise.
Active pre-out.	Allows easy bi-amping.
Separate transformer windings for the preamp stage.	Very clean power supply lines and immunity from mains borne interference.
Home theatre direct input on Aux 2.	This input is switched direct to the power amp by pressing the Aux 2 button and allows the A308 integrated to be made the heart of a home theatre or multi-channel system.
High power.	Realistic and wide dynamic range and stress-free listening.

SPECIFICATIONS

OUTPUT	
Voltage RMS	35 Volts 20Hz to 20 KHz
Peak	99Volts
Power	150 Watts per channel into 8 Ohms (21.8dBW). 300 Watts per channel into 4 Ohms.
Peak-to-peak output current	48 Amps
Damping factor	140
Output devices per channel	Four
Pre-output impedence	< 50 Ohms
LINE INPUTS	
Total harmonic distortion + noise 20Hz to 20 KHz	< 0.008%
Signal / noise ratio	> 100dB 'A'-weighted
Input sensitivity for 150 Watts into 8 Ohms	270mV
Input impedence	220k Ohms

Overload margin	26dB
Channel separation	> 70dB 20Hz to 20kHz
Frequency response	20Hz to 20kHz, +0, -0.2dB
AUXILLIARY 2 (HOME THEATRE DIRECT) INPUT	
Input sensitivity	30dB gain (31.5 times) nominal
PHONO INPUT	
Frequency response Reference IEC RIAA	See graph below
Signal / noise ratio	> 96dB Moving Magnet 'A'-weighted > 89dB Moving Coil 'A'-weighted
Input sensitivity	2.5mV Moving Magnet 350µV Moving Coil
Input impedence	47k Ohms
Overload margin	24dB
Inputs	Four pairs line level RCA connectors. One pair (Aux 2) direct power amplifier input RCA connectors. One pair phono (MC or MM, switchable) RCA connectors.
Power requirement	Two amplifier channels via two pairs per channel binding posts. One pair RCA audio outputs controlled by the volume. One pair RCA tape record fixed line level output.
Outputs	100/115/230Volts AC 50/60Hz (factory pre-set). 550 Watts maximum into 8 Ohms. 39 Watts idle.
Weight	20.5 kg (45.5 lbs) unit only, unboxed. 23.5 kg (48.5 lbs) in shipping carton.
Dimensions	440 mm (17.3 inches) wide 143 mm (5.6 inches) high including feet. 420 mm (16.5 inches) deep including terminals
Standard accessories	IEC type mains lead. Remote control (universal). Two batteries (SUM-4, AAA, LR03).